

Supplemental Ambient Surface Water Monitoring Network

The objectives of the Supplemental Ambient Surface Water Monitoring Network (formerly known as the Existing Water Quality Network) are to: (1) supplement the waters monitored and assessed through the DEP/USGS Ambient Stream Network; (2) expand ambient monitoring into selected tidally impacted waterways; and (3) to identify waterways requiring TMDL assessments.

Site selection and monitoring for this Network began in 2000. Over a four year period, 178 sites will be sampled 8 times (quarterly, for two years). Station siting criteria prioritized: (1) locations at the most downstream portion of USGS' Hydrologic Unit Code (HUC) watershed areas; (2) locations where DEP has collected biological (macroinvertebrate) data and (3) if possible, local background conditions.

Limited parameters monitored, quarterly, in this Network include:

Field Parameters : Specific conductance, pH, water temperature, D.O., D.O. saturation, turbidity and flow.

Laboratory Parameters : Total suspended solids, total dissolved solids, total phosphorus, dissolved ortho phosphorus, nitrate + nitrite, ammonia, TKN, sulfate, chloride and at selected sites total recoverable iron.




Data from this Network are stored in EPA's STORET database. Additional information regarding this Network is available from the Bureau of Freshwater & Biological Monitoring's webpage (www.state.nj.us/dep/wmm/bfbm).

New Jersey's Supplemental Ambient Monitoring Network 2003

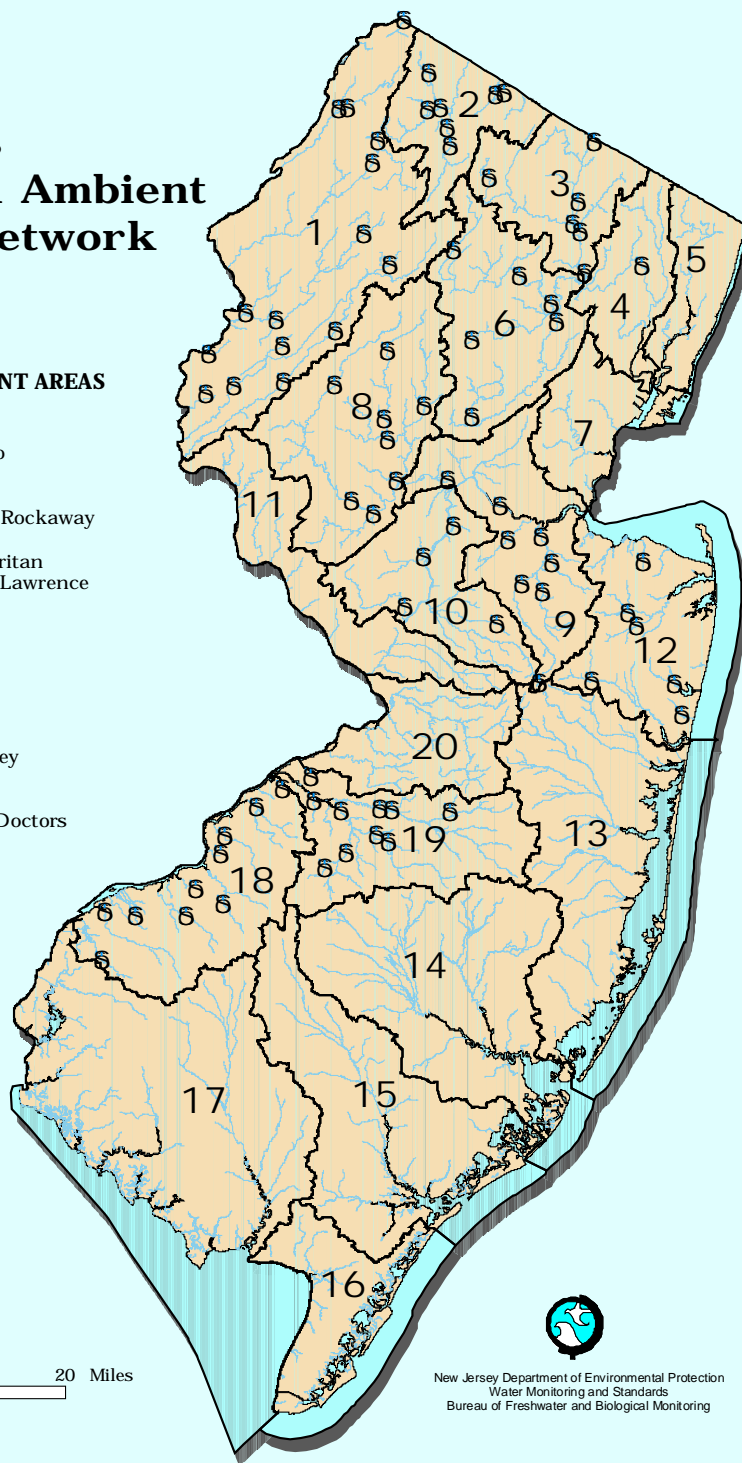
WATERSHED MANAGEMENT AREAS

1. Upper Delaware
2. Wallkill
3. Pompton, Wanaque, Ramapo
4. Lower Passaic and Saddle
5. Hackensack and Pascack
6. Upper Passaic, Whippany & Rockaway
7. Arthur Kill
8. North and South Branch Raritan
9. Lower Raritan, South River, Lawrence
10. Millstone
11. Central Delaware
12. Monmouth
13. Barnegat Bay
14. Mullica
15. Great Egg Harbor
16. Cape May
17. Maurice, Salem and Cohansey
18. Lower Delaware
19. Rancocas
20. Assiscunk, Crosswicks and Doctors

LEGEND

-  Sampling Site
-  Watershed Management Areas
-  Major Rivers/Streams

20 0 20 Miles



New Jersey Department of Environmental Protection
Water Monitoring and Standards
Bureau of Freshwater and Biological Monitoring